BRUHATH BANGALORE MAHANAGARA PALIKE,

Office of the Executive Engineer Dasarahalli Division,

Schedule-B

NAME OF WORK: Providing Sinking of borewell drilling and pumps in

Sl. No	Description of work	Unit	Qty	Rate quoted by the	
				In Figures (Rs.)	Amount
1	2	3	4	5	7
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.	Each	3.00	3768	11304
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.0.00 to 50.00 mtrs	Rmtr	150.00	347	52050
3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.50mtr to 100.00 mtr	Rmtr	150.00	442	66300

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4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.100.00 to 150.00 mtr	Rmtr	150.00	456	68400
5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.150.00 to 200.00 mtr	Rmtr	150.00	536	80400
6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.200.00 to 250.00 mtr	Rmtr	150.00	634	95100
7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.250.00 to 300.00 mtr	Rmtr	150.00	700	105000

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8	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.300.00 to 350.00 mtr	Rmtr	150.00	825	123750
9	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work350.00 to 400.00 Mtr	Rmtr	150.00	900	135000
10	Providing and Fixing 250mm dia PVC pipeetc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	75.00	1144	85800
11	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr.complete as per specifications and as per the direction of Engineer-in-charge of the work..complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	550.00	1325	728750
12	Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	150	450

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13	Providing and laying at site of work MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	100	300
14	Supplying and delivery of Submersible Pump Sets of 150mm dia suitable for bore well and confirming to IS 8034 specifications and its latest ammendments, 3-Phase, SS Bowl and impeller with low volt motor with testing as per instructions of Engineer incharge of work.complete as per specifications and as per the direction of Engineer-in-charge of the work.(15 HP/35 STG)	No	3.00	67724	203172
15	Supplying, laying, jointing testing and commissioning of GI pipes confirming to IS 1239:1990 with latest amendments, including fising collars, Elbows, Tees, bends, Glad Cocks and other Fittings (Excluding Cost of Specials) with Cuts and Threads wherever necessary including conveying the materials to workspot, including testing for water tightness with all lead and lifts etc complete (Contractor shall make his own arrangements for procuring water for testing) Class-C - Heavy 50mm Dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	900.00	463	416700
16	Suppy and fixing 50mm dia GI collar Heavy duty etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Nos	180.00	180	32400
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990.3C X 6.0Sq.mm complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	1800.00	205	369000
18	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 With ISI Mark and as per its latest amendments 50mm Dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	1175	3525

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19	Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shines/Adarsh/ G.K.Controls Best Indigenous make combined energy meter-cum-control panel board unit minimum mechanically strong suitable for operation on 3HP 50HZ 380/440 Volts AC supply with spring loaded latch locking Device with a key Ribbs should be provided. contron panal board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panal board shall be fabricated in single unit in the above components panal board suitable pump set 10HP to 20HP with stae delta starter out door panel board up to 20HP, complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	21000	63000
20	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.complete as per specifications and as per the direction of Engineer-in-charge of the work.	Job	3.00	5650	16950
21	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. complete as per specifications and as per the direction of Engineer-in-charge of the work.	Job	3.00	1198	3594
22	Supplying of TPST with rewirable porcelain channels in SM enclosure 32 amps complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	1800	5400
23	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs crews.20"x20"x2.5"complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	292	876
24	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.Ccomplete as per specification, with testing of as per instructions complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	430	1290

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25	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor. 2KVAR complete as per specifications and as per the direction of Engineer-in-charge of the work.	KVAR	3.00	400	1200
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6 to 32amps complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	1715	5145
27	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3.00	2999.7	8999.1
28	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	9.00	335	3015
29	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	150.00	150	22500
30	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) cutting road surface in hard soil complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	150.00	102	15300
31	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	135.00	11.88	1603.8

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32	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	9.00	270	2430
33	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	9.00	174	1566
34	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.(RDWS SR 2019-20Pg No.08 I.No.2.26)Cutting Asphalt Road Surface complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	8.10	542	4390.2
35	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification.Cutting in cement concrete road Surface complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	4.05	1106	4479.3
36	Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs and depth up to 2.00 mtrs. Including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 mtrs. Wherever necessary as directed in the following strata. (Manual Means) in ordinary soil complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	160.65	262	42090.3
37	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	714.00	155	110670
38	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth with all lead & lifts. (Compacting with vibro roller) complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	160.65	103	16546.95
39	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments a) 50mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work	Each	20.00	1190	23800

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